Job Title: Digital Library Architect

Job Requisition ID: 62804BR

Employer: Emory University

Operating Unit/Division: LITS: Library and IT Services

Department: 947100:LITS: Digital Library

Full/Part Time: Full-Time

Regular/Temporary: Regular

Job Description: Reporting to the Director of Library Technology and Digital Strategies, and partnering with the Digital Library Program Coordinator and central IT resources, the Digital Library Architect will provide technical leadership for Emory University’s Digital Library. This position will assist in product development of a digital preservation repository based on the Hydra framework, transition of the repository into an operationalized service, and once operationalized will assume responsibility for the daily operations of the Digital Library’s applications and technical infrastructure.

Required Qualifications
• Bachelor's degree in Computer Science, Math or related field; three years of software development experience; and product management or business analysis experience OR an equivalent combination of education, training and experience.
• Familiarity with current and emerging trends in digital library technologies and infrastructure.
• A good understanding of current trends in metadata and digital preservation.
• Expertise architecting and implementing enterprise web applications with modern frameworks such as Ruby-on-Rails.
• Evidence of capacity for professional development, involvement, and contribution.
• Excellent oral and written communication skills; as well as analytical and organizational skills.

Preferred Qualifications
• Experience with Hydra, SOLR, Fedora Commons and related digital object repository technologies.
• Experience working on Open Source software projects.
• Experience with version control, test-driven development, continuous integration techniques and other development best practices.
• Experience with Linux/Unix operating systems, including scripting.
• Demonstrated expertise in existing and emergent content and storage management standards and technologies.
• Familiarity with digital library standards, such as MODS, Dublin Core, IIIF, PCDM, PREMIS, OAI-PMH, ISO 16363, etc.
• Experience working within a large academic or research institution library and evidence of successful execution of large-scale projects with said context.

UNIVERSITY JOB SUMMARY STATEMENT: This position takes technical ownership and manages assigned product through all phases of product life cycle. Drives the process of working with and prioritizes inputs
from multiple constituents including customers, professional services consultants, support personnel, sales, and development. Documents defined requirements, user stories, mock-ups/design on in-house Wiki as the source of detailed requirements for development, Q/A and documentation. Communicates and coordinates with constituents on proposed solutions, status and timeline for delivery. Delivers internal and external product training on new feature enhancements or modules. Participates in speaking engagements or product demonstrations as needed. Manages the defect resolution process including project management, requirements gathering and testing and customer communication throughout the release. Serves as a product expert, and understands the market and user workflow. Collaborates with IT staff to deliver solutions to meet end user and market needs. Monitors performance of solutions through metrics including customer satisfaction surveys. Identifies enhancements and owns the product backlog. Understands market trends and technology advancements; Incorporates knowledge into product plans. Conceptualizes new products or features for development based on customer awareness and/or research. Contributes to the strategic and operational planning for the solutions team. Maintains vendor relationship management with OTS products to ensure an accurate understanding of the product roadmap and upgrade schedule. Performs related responsibilities as required.

JOB DESCRIPTION: Researches, defines, prioritizes and documents product requirements, user stories and design for feature enhancements for existing and new application modules while considering the needs of existing customers, competitive market offerings and our overall company strategy. Takes ownership and manages assigned product through all phases of product life cycle. Drives the process of working with and prioritizes inputs from multiple constituents including customers, professional services consultants, support personnel, sales, and development. Documents defined requirements, user stories, mock-ups/design on in-house Wiki as the source of detailed requirements for development, Q/A and documentation. Communicates and coordinates with constituents on proposed solutions, status and timeline for delivery. Delivers internal and external product training on new feature enhancements or modules. Participates in speaking engagements or product demonstrations as needed. Manages the defect resolution process including project management, requirements gathering and testing and customer communication throughout the release. Serves as a product expert, and understands the market and user workflow. Collaborates with IT staff to deliver solutions to meet end user and market needs. Monitors performance of solutions through metrics including customer satisfaction surveys. Identifies enhancements and owns the product backlog. Understands market trends and technology advancements; Incorporates knowledge into product plans. Conceptualizes new products or features for development based on customer awareness and/or research. Contributes to the strategic and operational planning for the solutions team. Maintains vendor relationship management with OTS products to ensure an accurate understanding of the product roadmap and upgrade schedule. Performs related responsibilities as required.

MINIMUM QUALIFICATIONS: Bachelor's degree in business, marketing or related field and three years of product management, business analysis, business relationship management and software development experience OR
an equivalent combination of education, training and experience. Master's
degree in business preferred. Strong knowledge of operating systems,
databases, and application layer technologies support to troubleshooting and
identify issues. Demonstrated ability to collaborate with and influence others,
resolve conflicts, and lead a Product Delivery Team. Demonstrates advanced
level proficiency in MS-Office including MS-Word, MS-Excel, MS-
PowerPoint and MS-Project Server.

**Additional Job Details**

**Key Responsibilities & Duties**

- Engage in national and consortial efforts in the digital library domain, and
  seek mutually beneficial partnerships and collaborations with peer institutions
  and in the private sector.
- Develop and oversee subcommittees -- both advisory and working groups --
  related to the digital library program
- Lead the design and development of the technical architecture for digital
  library applications, middleware, systems, and services.
- Develop, publish, and maintain a roadmap for service and infrastructure
  implementation.
- Track technology trends and standards evolution, and contribute to
developments in this field.
- Facilitate requirements gathering; performing analysis; synthesizing results
- Actively participate in the development process utilizing the Hydra
  framework
- Leverage best practices to ensure development, releases, testing, etc. meet
  Hydra Community standards.
- Leads operational support of current and future Digital Library Program
  applications

**This position involves:**

- Not Applicable

**Minimum Hourly Rate $**

- 32.740385

**Minimum Annual Rate $**

- 68100

**Midpoint Hourly Rate $**

- 46.105769

**Midpoint Annual Rate $**

- 95900

EEO/AA/Individuals with Disabilities/Veteran Employer